

Please type a plus sign (+) inside this box →  +

Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE  
Collection of information units contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no  
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark  
are required to respond to a collection of information unless it contains a valid OMB control number.

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet

1

of

1

*Complete if Known*  
420 Rec'd PCT/PTO  
Application Number \_\_\_\_\_

26 OCT 1999

Substitute for form 1449A/PTO				<i>Complete if Known</i>		
				4420 Rec'd PCT/PTO 26 OCT 1999		
				Application Number	BA	
				Filing Date	Herewith	
				First Named Inventor	Roderick Malcolm Gordon Lawrie	
				Group Art Unit	Unknown	
				Examiner Name	Unknown	
				Attorney Docket Number	87581.USNAT	
Sheet	1	of	1			

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	TUAN DUY	Date Considered	03/06/03
-----------------------	----------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.  
**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark U.S. DEPARTMENT OF COMMERCE  
Collection of information under this form is voluntary.

09/403984  
00 through 10/31/09 GMP 2251

**Substitute for form 1449B/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet

2

1

2

420 Rec'd PCT/PTO 26 OCT 1999

**Application number**

IBA

**Filing Date**

Here

**First Named Inventor**

Bode

Group Art Unit

J. Ju. 100

---

**Group Art Unit**

---

111

Examiner Name

UNRI

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

**Examiner  
Signature** \_\_\_\_\_ **Date  
Considered** \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PM&S FORM PAT-1449)  
Patent and Trademark Office

Atty.  
Dkt. No.

M#  
262375  
T297070/PAK/KOP

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: PIIRAINEN, Olli

Appln. No.: 09/355,623

Filing Date: August 2, 1999

Date: October 5, 1999

Page 1 of 1

Examiner: Group Art Unit: 5611

**U.S. PATENT DOCUMENTS**

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
N	AR	5,517,681	05/1996	REIINO TALARMO	W5C	54.1	
	BR						
	CR						
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
								Enclosed	No	Enclose	No
O	OR	97/21316	06/1997	WO/ PCT	H. BENN	—	—				
O	PR	96/39749	12/1996	WO /PCT	L. SCOTT	—	—				
	QR										
	RR										
	SR										
	TR										
	UR										
	VR										
	WR										
	XR										

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

YR			
ZR			
AAR			
BBR			
CCR			
DDR			

Examiner TRAN DHAN Date Considered: 03/06/02

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.